

4484

BILL NO. S-79-06-18

SPECIAL ORDINANCE NO. S-104-79

AN ORDINANCE approving City Utilities Purchase Order No. 1102 with General Electric Apparatus Service Shop for repair of Hydro-Electric Generator for Three Rivers Filtration Plant.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That City Utilities Purchase Order No. 1102, dated May 16, 1979, between the City of Fort Wayne, by and through the City Utilities Purchasing Agent and the Board of Public Works and General Electric Apparatus Service Shop, for:

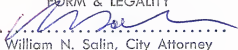
Repair of Hydro-Electric Generator at the St. Joseph River Dam with on-site supervision for the assembly of the unit after repair, for Three Rivers Filtration Plant,

at a cost of \$4,399.45, all as more particularly set forth in said Purchase Order, which is on file in the Office of the Department of Purchasing and is by reference incorporated herein and made a part hereof, be and the same is in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be effective upon passage and approval by the Mayor.

  
Councilman

APPROVED AS TO FORM & LEGALITY

  
William N. Salin, City Attorney

Read the first time in full and on motion by \_\_\_\_\_, seconded by \_\_\_\_\_

Submits, and duly adopted, read the second time by title and referred to the Committee on City of Fort Wayne (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on \_\_\_\_\_, the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_ o'clock \_\_\_\_\_ M., E.S.T.

DATE: 6-12-79

Charles W. Westerman  
CITY CLERK

Read the third time in full and on motion by Burns, seconded by V. Schmidt, and duly adopted, placed on its passage.  
PASSED (~~LOST~~) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>9</u>	_____	_____	_____	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>HINGA</u>	<u>✓</u>	_____	_____	_____	_____
<u>HUNTER</u>	<u>✓</u>	_____	_____	_____	_____
<u>MOSES</u>	<u>✓</u>	_____	_____	_____	_____
<u>NUCKOLS</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT, D.</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT, V.</u>	<u>✓</u>	_____	_____	_____	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE: 6-26-79

Charles W. Westerman  
CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as  
(ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL) (APPROPRIATION) ORDINANCE  
(RESOLUTION) No. 2-104-79 on the 26th day of June, 1979.  
ATTEST: (SEAL)

Charles W. Westerman  
CITY CLERK

Winfield C. Mingo Jr.  
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 27th day of June, 1979, at the hour of 11:30 o'clock A. M., E.S.T.

Charles W. Westerman  
CITY CLERK

Approved and signed by me this 5 day of July, 1979  
at the hour of 3:30 o'clock P. M., E.S.T.

Rahat Elumshorg  
MAYOR

Bill No. S-79-06-18

REPORT OF THE COMMITTEE ON CITY UTILITIES

We, your Committee on City Utilities to whom was referred an Ordinance  
approving City Utilities Purchase Order No. 1102 with General  
Electric Apparatus Service Shop for repair of Hydro-Electric  
Generator for Three Rivers Filtration Plant

have had said Ordinance under consideration and beg leave to report back to the Common  
Council that said Ordinance as PASS.

PAUL M. BURNS - CHAIRMAN

SAMUEL J. TALARICO - VICE CHAIRMAN

VIVIAN G. SCHMIDT

DONALD J. SCHMIDT

JAMES S. STIER

6-26-79  
-DATE

CONCURRED IN

CHARLES W. WESTERMAN, CITY CLERK

# Memorandum

To H. P. Wehrenberg, Board of Works

Date May 16, 1979

From Ruth Winget, Purchasing Department

Subject Repair Hydro-Electric Generator

## COPIES TO:

E. A. Stanczak Jr.  
G. Patrick

Attached are quotes and Purchase Order Number 1102 which is prepared favoring General Electric Company Apparatus Service Shop for repair of Hydro-Electric Generator at the St. Joseph River Dam for Three Rivers Filtration Plant. Attached is a memo from the Superintendent explaining the reasons for favoring General Electric Apparatus Service Shop.

Please include the attached supporting information when this ordinance is submitted to City Council for approval. No confirming Purchase Order Number is to be given to General Electric Apparatus Service Shop until evidence of Council approval is given to the Purchasing Department.

  
R. A. Winget

Approved: 

James R. Snyder

# GENERAL ELECTRIC

SERVICE SHOPS  
DIVISION

GENERAL ELECTRIC COMPANY, 3830 NORTHROP AVE., FORT WAYNE, INDIANA 46805  
Phone Day or Night (219) 484-9073

FORT WAYNE APPARATUS  
SERVICE SHOP

May 14, 1979

City of Fort Wayne  
Three Rivers Filtration Plant  
One Main Street, City-County Bldg.  
Fort Wayne, Indiana 46502

Attention: Mr. Glen R. Patrick

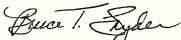
Dear Glen,

This letter is to confirm our conversation today regarding my quotation #1512-79 dated March 16, 1979 for repairs to your St. Joe Hydro-Electric Generator.

The prices stated in quotation # 1512-79 are firm for 90 days from date of the quotation. This letter supercedes my letter dated March 19, 1979.

If you have any questions please notify me.

Sincerely,



Bruce T. Snyder  
Service Sales Engineer

BTS/je



EMERGENCY WORK ON LOCATION . . . EQUIPMENT MAINTENANCE CONTRACTS . . . FACTORY PARTS AND STANDARDS  
"PRODUCTIVE MAINTENANCE" SPECIALISTS . . . ENGINEERING SUPERVISION . . . HIGHLY TRAINED SHOP PERSONNEL



QUOTATION NO. 1512-79

on form FN-872

**GENERAL ELECTRIC COMPANY  
APPARATUS SERVICE DIVISION**

**NOTICE** This quotation on the services described below is subject to the terms and conditions on the face and back of this letter, and is void unless accepted within 15 days from date hereof, and, in the meantime, is subject to change upon notice. It supersedes all previous quotations and agreements relating to this transaction. Please refer to this quotation by number in any order placed with us for described work, and address all letters to our office at 3830 Northrop Avenue  
Fort Wayne, Indiana 46805

March 16, 1979

City of Fort Wayne  
Three Rivers Filtration Plant  
One Main Street, City-County Bldg.  
Fort Wayne, Indiana 46802

Attention: Mr. Glen R. Patrick

Gentlemen:

We are pleased to offer the following quotation to repair your St. Joe Hydro-Electric Generator which we inspected March 12, 1979. Work scope is as follows:

1. Pick up and deliver rotor (provided rotor is on a skid and loaded and unloaded by City personnel).
2. Metalize and machine bearing fit on shaft (approx. 6" OD X 7") (LOWER BEARING)
3. Re-babbit and machine shaft bearing (approx. 6" ID X 6" length).
4. Steam clean and bake exciter armature.
5. Band, varnish treat and bake exciter armature.
6. Turn and undercut exciter commutator & turn (2) collector rings.

Net total \$3,813.45

If you wish on-site supervision for the assembly of the unit after repair, please add \$586.00 to the above. This would be for (2) days of supervision. Delivery on the repair is (2) weeks after receipt of rotor in our shop. If any additional work is determined after receipt of rotor you will be immediately notified before proceeding.

I hope the above meets with your approval and you will favor us with your order. If you have any questions please notify me.

Sale of any service covered by this quotation is conditioned upon the terms contained herein, including those on the back of this quotation. Any additional or different terms proposed by the customer are objected to and will not be binding upon the Company, unless specifically assented to in writing by the Company's authorized representative.

Note that no implied warranty of merchantability or fitness for purpose applies and that any claim that the services described herein are a warranty or other obligation of the Company must be made in writing prior to, or at, the time you place your order.

Seller certifies that all goods described herein will be produced in compliance with all applicable provisions of the Fair Labor Standards Act, as amended.

# CONDITIONS FOR REPAIR, INSPECTION, MAINTENANCE, MODIFICATION, TEST OR RENTAL SERVICE

## 1. WARRANTY

a. **Warranty Period.** This warranty shall apply only to defects appearing within one year from the date of completion of the service by the Company. As to services performed on installation, modification, or repair, the warranty period is 90 days from completion of the service, unless otherwise specified.

b. **Warranty On Repair, Rebuild, Modification.** General Electric Company (herein called the Company) warrants to the Customer that the equipment, material and components and the repair or modification services furnished hereunder will be free from defects in material or workmanship and will be of the kind and quality specified in the contract. The conditions of any tests shall be mutually agreed upon and the Company shall be notified of, and may be represented at, all tests that may be required. The warranty set forth herein are conditioned upon (a) proper storage, installation, use and maintenance, and conformance with any applicable recommendations of the Company and (b) the Customer's prompt reporting of any defects and, if required, promptly making the equipment available for correction.

If any equipment, material, component or service fails to meet the foregoing warranties, the Company shall thereupon correct any such failure either, at its option, (i) by replacing any defective equipment, material, component or service, or (ii) by making available F.O.B. the Company's plant or other point of shipment any necessary repaired or replacement parts.

c. **Warranty On Rentals.** With respect to rental service, the Company warrants to the Customer only that rental equipment when delivered is in good operating condition. If the equipment delivered hereunder is not in good operating condition due to no fault of the Customer and the Customer notifies the Company promptly, the Company shall thereupon (at its option) either repair the equipment or supply replacement equipment, material, component or service to the Customer.

d. **Warranty On Inspection, Test, Calibration, Maintenance, Consultation.** With respect to inspection, testing, calibration, maintenance or consultation services for which the Company is separately compensated, the Company warrants only that the services will be performed in accordance with accepted industry practice. If any service fails to meet such practice, the Company shall re-perform the service to the same extent and on the same conditions as the original service.

e. **Warranty Stated Above Is Exclusive.** The preceding paragraphs set forth the exclusive remedies for claims (except as to title) based on failure of or defect in equipment, material, components or services, whether the claim is in contract or tort (including negligence) and however instituted, and, upon the expiration of the warranty period, all such liability shall terminate. Except as set forth in Article 2, "Patents", the foregoing warranties are exclusive and in lieu of all other warranties, whether written or implied, or statutory. **IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE SHALL APPLY, nor shall the Company be liable for any loss or damage whatever by reason of its failure to discover, report, repair or modify latent defects or defects inherent in the design of any equipment.**

The Company does not warrant any equipment, material, components or services of others which the Customer has designated.

Where a failure cannot be corrected by the Company's reasonable efforts, the parties will negotiate an equitable adjustment in price. All decontamination work necessary for the correction of defects shall be performed by the Customer at the Customer's expense.

f. **Waiver Of Warranty Claims.** Any claim that the furnishing of any equipment, material, components or services hereunder is a warranty or other obligation of the Company, in whole or in part, must be made in writing prior to, or at, the time the equipment, material, components or services are ordered. Failure to so notify the Company shall constitute a waiver of any such claim.

## 2. PATENTS

The Company may, in the performance of this contract, furnish or install equipment, components, materials and supplies which may be (a) standard commercial products of the Company, (b) purchased from other sources, (c) manufactured by the Company to meet the specific circumstances arising under this contract, and (d) manufactured by the Company to the requirements of the Customer's instructions, designs, or specifications.

Items in categories (b), (c) and (d) are furnished by the Company in accord with the exigencies and needs of the particular contract and under circumstances which do not ordinarily admit of investigation of possible risks arising under patents. The Company, therefore, assumes no obligation to the Customer with respect to such risks.

As to items in category (a), the Company warrants that products furnished hereunder, and any part thereof, shall be free of any right to claim infringement of any third party for infringement of any United States patent. If notified promptly in writing and given authority, information and assistance, the Company shall defend, or may settle, at its expense, any suit or proceeding against the Customer to or for as based on a claimed infringement which would result in a breach of this warranty and the Company shall pay all damages and costs awarded therein against the Customer due to such breach. In case any product or part thereof is found to be subject to a claim for infringement and the use of the product or part for the purpose intended of said product or part would constitute infringement, the Company shall, at its expense and option, either procure for the Customer the right to continue using said product or part, or replace same with a non-infringing product or part, or modify same so as to become non-infringing, or return the product and refund the purchase price (less reasonable depreciation for any period of use) and any transportation costs separately paid by the Customer. The foregoing shall be the entire liability of the Company for patent infringement by said products or any part thereof.

In the case of rental equipment the Company may, at any time after it becomes aware of a possible infringement, elect to require that the equipment be returned and excluded from further rental use. The Company shall not assume the entire liability of the Company for patent infringement by rental equipment.

## 3. DELIVERY

Completion dates are approximate, and are based upon prompt receipt of the equipment, or ready access to it for installation, modification, or test, at the premises, and prompt receipt of all necessary information. In the case of rental equipment, shipping dates quoted are based on stock rentals available at the time of quotation and are therefore subject to prior rentals. Unless otherwise specified by the Company, all shipments are F.O.B. the Company's plant.

## 4. EXCUSABLE DELAYS

The Company will notify the Customer promptly of any material delay and will specify the revised delivery date as soon as practicable. The Company shall not be liable for any delay in delivery or performance, or for any failure to manufacture, deliver or perform due to (i) any cause beyond its reasonable

control, or (ii) any act of God, act of the Customer, act of civil or military authority, governmental priority, strike or other labor disturbance, flood, epidemic, war, riot, delay, delay in transportation, or (iii) any other cause beyond the reasonable control of the Company to obtain necessary materials, components, services or facilities. In the event of any such delay, the date of delivery or of performance shall be extended for a period equal to the time lost by reason of the delay.

## 5. PAYMENTS AND FINANCIAL CONDITION

Unless otherwise specified by the Company in its quotation, pro rata payments shall become due without setoff as shipments are made or as work is completed at the option of the Customer. If the Customer delays in making payments after completion of any work, payment shall become due on the date when the Company is prepared to make shipment. If the work to be performed hereunder is delayed by the Customer, payment shall be made based on the increase in price and cost of the materials and components held for the Customer shall be of the risk and expense of the Customer.

Any order for services by the Customer shall constitute a representation that the Customer will satisfy the financial conditions required by the Company. The Customer will furnish a written representation concerning its solvency at any time prior to shipment.

If the financial condition of the Customer at any time does not, in the judgment of the Company, justify continuance of the work to be performed by the Company hereunder on the terms of payment agreed upon, the Company may require full or partial payment in advance. In the event of bankruptcy or insolvency of the Customer or if the Customer is declared bankrupt or insolvent, voluntarily or involuntarily, under the bankruptcy or any insolvency laws, the Company shall be entitled to cancel any order then outstanding or to suspend work on any order, and to retain all claims against the estate and shall receive reimbursement for its proper cancellation charges.

The Company, at its option, may retain possession of equipment repaired, modified, inspected, tested, maintained or serviced under this contract until its charges for such services are paid. Such charges are not paid within 90 days following completion of the work and invoicing the Customer, the Company may, upon not less than 7 days written notice by certified mail to the Customer at the Customer's last known address, sell the equipment of public or private sale and apply the net proceeds to the Company's charges.

## 6. TITLE

All scrap resulting from the work shall be the property of the Company, and title to all rental equipment shall remain with the Company. The title and right of disposal of equipment repaired, modified, inspected, tested or maintained under this contract shall remain with the Customer, subject to any applicable lien rights of the Company and to its right of sale in the event of nonpayment as provided in the preceding paragraph.

## 7. TAXES

In addition to any price specified herein, the Customer shall pay the gross amount of any present or future sales, use, excise, value-added, or other similar tax applicable to the price, sale or delivery of any product or service furnished hereunder or to its equipment or to its personnel. The Customer shall also furnish the Company with a tax-exemption certificate acceptable to the taxing authorities.

## 8. LIMITATIONS OF LIABILITY AND INDEMNITIES

(a) Unless otherwise agreed in writing by a duly authorized representative of the Company, equipment repaired, modified, inspected, tested or rented hereunder is not intended for use in connection with any nuclear facility or activity. If so used and any nuclear damage, injury or contamination occurs, the Company disclaims all liability and shall not be liable to the Customer. The Company shall indemnify the Company from any and all liability for any such damage or contamination whatsoever arising out of any such use, including the Company's negligence.

(b) In no event, whether as a result of breach of contract, warranty or tort (including negligence), shall the Company or its suppliers be liable for any consequential or incidental damages including, but not limited to, loss of profit or revenues, loss of use of equipment furnished or serviced by the Company or any associated equipment, damage to associated equipment, cost of capital, cost of substitute products, facilities, service or replacement power, down time costs, or claims of the Customer or customer's customer for loss of business, loss of title to or losses the products sold or serviced hereunder to any third party, the Customer shall obtain from such third party a provision affirming the Company shall not be liable for the protection of the preceding sentence.

(c) Except as provided in the provided "Patents", the Company's liability on any claim of any kind (including negligence) for any loss or damage arising out of, or resulting from this agreement, or from the performance or breach thereof, or from the products or services furnished hereunder, shall be limited to the price of the specific product or service which gives rise to the claim. All such liability shall terminate upon the expiration of the warranty period specified in the "Warranty" section.

(d) The furnishing of advice or other assistance without separate compensation therefor will not subject the Company to any liability, either in contract, warranty, tort (including negligence) or otherwise.

(e) Each of the foregoing paragraphs of this article will apply to the full extent permitted by law. The invalidity, in whole or part, of any paragraph will not affect the remainder of such paragraph or any other paragraph.

## 9. GENERAL

Any services furnished by the Company hereunder will be performed in compliance with the Fair Labor Standards Act of 1938, as amended and applicable. The Company will comply with applicable Federal, state and local laws and regulations as of the date of any quotation which relate to (i) equal employment opportunity including the seven orders of the Equal Employment Opportunity Commission (EEO-7), (ii) the Civil Rights Act of 1964, as amended, and (iii) the Executive Order 11246, as amended, (iv) workers' compensation, and (v) the performance in the Company's facilities of the services furnished hereunder. Price and cost of compliance with any other law or regulation shall be included in the quotation.

The delegation or assignment by the Customer of any or all of its duties or rights hereunder without the Company's prior written consent shall be void. Any representation, promise, course of dealing, or agreement, in writing or otherwise, made hereunder shall not be binding on the Company. No modification, amendment, rescission, waiver or other change shall be binding on the Company unless assented to in writing by the Company. The Company shall not be bound by the performance and all matters relating to the interpretation and effect of this agreement and any amendment hereof shall be governed by the law of the State of New York.

Mr. Glen R. Patrick  
March 16, 1979  
Page 2

Sincerely,



Bruce T. Snyder  
Service Sales Engineer

BTS:bal

"The price stated herein shall be subject to adjustment at the date of shipment. Any such adjustment hereunder shall be equal to any percentage adjustment in the Company's published prices from the date of the order to date of shipment. Where there is no specific repair price published, the percentage change in the Craftsman Hourly Rate (Apparatus Handbook Section 31SS, page 2) will be used to determine the price adjustment.

In the event the Company has been delayed for any of the causes specified in the clause entitled "Excusable Delays" which is set forth in the Company's Conditions of Sale, "shipment shall mean the actual date of shipment."





## REMS, Inc.

A Siemens-Allis Subsidiary

REMS, Inc.  
Nussbaum Division  
1405 E. Wallace Street  
Fort Wayne, Indiana 46803  
(219) 745-0521

April 16, 1979

Mr. Glenn Patrick, Superintendent  
City Utilities - Filtration Plant  
City County Building  
1 Main Street  
Fort Wayne, IN 46802

SUBJECT: Repair quote on Water Powered Generator, G.E., Model  
#5280892, Type ATB, 164 RPM, 2400 volts, 3 phase,  
60 cycle, 219 KVA., at St. Joe Dam.

Dear Mr. Patrick:

We are pleased to quote on the repair of your unit as stated above. REMS (Nussbaum) quote is based on the following conditions: city personnel will disassemble the unit and have it ready for pick up by REMS truck. The unit will be repaired in accordance with our quote, returned to the job site where city personnel will reassemble the unit and test.

We have offered you three options and pricing for each option. These are as follows:

Option 1. This option is the one REMS would recommend. There is no question that it is the most costly, but it is the one that will assure you of a long life. This would consist of a new shaft with no metal buildup, new guide and lower generator bearings, and a proper fit for the generator armature. This repair would carry a full year warranty on our workmanship.

Price for this option.....\$19,500.00

Delivery would be three weeks after receipt of the steel for the shaft.

Option 2. Repour lower generator bearing and machine to size. Metal spray the shaft area where the metal spray has left go and machine to size. Glass band the exciter armature and balance. The area where the generator armature is located on the shaft appears to have been built up with metal spray. We are basing this option on the assumption we have no problems with this buildup.

Price for the above option.....\$ 6,250.00

April 16, 1979

If the shaft requires repair for the generator armature, there will be an adder of.....\$ 2,475.00

REMS will advise you prior to this repair so you may inspect, if you so desire.

- Option 3. This will include the repairs in option 1, as well as the repair of the guide bearing. While inspecting this unit, we found the babbitt to be loose in the housing. The repair of this bearing will be to repour the bearings and machine to size.

Price for this option.....\$ 2,050.00

(This price is in addition to base price \$6,250.00)

Repair Exciter armature, test, recondition, turn and undercut commutator, band and balance.....

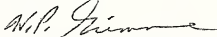
\$ 650.00

If you desire, we can make arrangements for our Corporate Engineer, Mr. Ray Kubik, to assist your mechanics with this project. To do so he would need one (1) weeks notice. Charges for his services would be \$125.00 per day, plus expenses.

If you have any questions, please feel free to contact me. Thank you for this opportunity to be of service.

Respectfully submitted,

REMS, INC.



William P. Grimme  
Division Manager

WPG/rsb

## CITY OF FORT WAYNE

## CITY UTILITIES

DEPARTMENT OF PURCHASES  
CITY-COUNTY BUILDING  
NUMBER ONE EAST MAIN STREET  
FORT WAYNE, INDIANA 46802

ORIGINAL 004102  
PURCHASE ORDER NO.

This number must appear on each package, packing slip, invoice, bill of lading, express receipt and correspondence.

DATE May 16, 1979

General Electric Apparatus Service Shop  
3830 Northrup Avenue  
Fort Wayne, Indiana 46805

Vendor No. 0952-01

## SHIP TO —

Three Rivers Filtration Plant  
Griswold Drive  
Fort Wayne, Indiana 46803

Dept. No. 21

MAIL ALL INVOICES TO —  
CITY UTILITIES

GENERAL ACCOUNTING  
4th FLOOR CITY-COUNTY BUILDING  
NUMBER ONE EAST MAIN STREET  
FORT WAYNE, INDIANA 46802

INVOICE IN DUPLICATE, INCLUDING  
CERTIFICATION AS REQUIRED BY  
INDIANA STATE BOARD OF ACCOUNTS

QUANTITY RECEIVED	QUANTITY ORDERED	DESCRIPTION	ACCT. OR W.O. NO.	UNIT PRICE	TOTAL
		Repair hydro-electric generator at the St. 21-632.03 Joseph River Dam as follows:			
		1. Pick Up and deliver rotor			
		2. Metalize & machine bearing fit on shaft			
		3. Re-babbit and machine shaft bearing (lower generator bearing)			
		4. Steam clean and bake armature			
		5. Band, varnish treat & bake exciter armature			
		6. Turn & undercut exciter commutator & turn (2) collector rings			
		Total for items 1 thru 6			\$ 3,813. 45
		7. On-site supervision for the assembly of the unit after repair			586. 00
					\$ 4,399. 45
		All in accordance with Quotation No. 1512-79 of 3/16/79			
		<u>SUBJECT TO COUNCILMANIC APPROVAL</u>			
		RW/pl #677			

## ATTENTION!

Send all Invoices to General Accounting  
4th Floor, City-County Bldg.  
1 E. Main St.  
Fort Wayne, Indiana 46802  
Show P. O. Number on Packing Slip  
and Invoice.

NOTE: TERMS OF PAYMENT MUST BE SHOWN ON FACE OF INVOICE. OTHERWISE A 2% CASH DISCOUNT WILL BE TAKEN

# City Utilities

PURCHASE REQUISITION

General Electric Company  
Apparatus Service Division  
3830 Northrop Avenue  
Fort Wayne, Ind. 46805

Date May 15, 1979

Please order the following Material for Delivery as Specified:

To be delivered to 21 Three Rivers Filtration Plant

Req. No. #677

On or before VENDOR NO.: 0952-01

P. O. No. 1102

QUANTITY	DESCRIPTION	DIST. NO.	DEPARTMENT ESTIMATED COST
	Repair hydro-electric generator at the St. Joseph River	21-632.03	
	Dam as follows:		
	1. Pick up & deliver rotor		
	2. Metalize & machine bearing fit on shaft		
	3. Re-babbit & machine shaft bearing (lower generator bearing)		
	4. Steam clean & bake exciter armature		
	5. Band, varnish treat & bake exciter armature		
	6. Turn & undercut exciter commutator & turn (2) collector rings		
	Total for items 1 through 6		\$3,813. 45
	7. On-site supervision for the assembly of the unit after repair		586. 00
REMARKS:	All in accordance with Quotation No. 1512-79 <i>4/3/79</i> <del>XXXXXX</del> <i>Net total</i> : \$4,399. 45		

I hereby certify that the work or supplies above specified are necessary for stock or use in this department.

Department \_\_\_\_\_

Dept. Head *John G. Patrick*

Charge Light \_\_\_\_\_

Water \_\_\_\_\_

Sewage *Rw*

## Memorandum

To Edmund A. Stanczak, Jr., General Supt., City Utilities Date May 15, 1979

From Glen R. Patrick, Superintendent, Filtration Plant

Subject Repair of Hydro-electric generator at St. Joseph  
River Dam and Pumping station

COPIES TO:

The 175 KW hydro-electric generator at the St. Joseph River Dam and Pumping station uses the excess flow of river water, over and above the amount required for our water supply which would ordinarily pass over the spillways of the dam, for production of 2300 volt electric power.

The electric power generated is feed into the 2300 volt system serving the St. Joseph River Dam and Pumping Station thereby reducing the amount of electric power required to be purchased from Indiana and Michigan Electric Company.

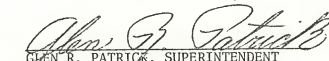
This generator has been in service since 1934 and through the years has done a fine job.

The generator was last repaired by General Electric Company, Service Shops Division and placed back in operation on September 17, 1975.

On the evening of February 26, 1979 the St. Joe Dam Operator noticed an unbalanced condition of the generator and shut it down. Upon dismantling the generator it was discovered that the lower generator bearing was severely worn.

From September 17, 1975 to February 26, 1979, a total of 2,129,000 KWH at an estimated savings of \$33,945.00 was generated.

The proposed repair work will place the generator in good operating condition and we should expect another 5-10 years of electric power generation.

  
GLEN R. PATRICK, SUPERINTENDENT  
THREE RIVERS FILTRATION PLANT

GRP:chf

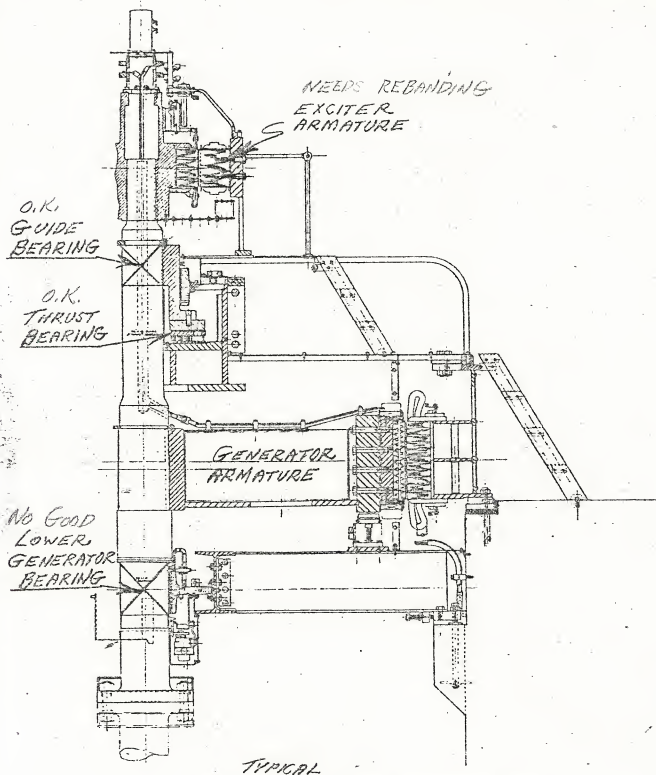


Fig. 1. Sectional View of Vertical Waterwheel-driven Generator

4484

TITLE OF ORDINANCE SPECIAL ORDINANCE - CITY UTILITIES PURCHASE ORDER NO. 1102 - GENERAL ELECTRIC APPARATUS SERVICE SHOP

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

*S. 79-06-18*

SYNOPSIS OF ORDINANCE CITY UTILITIES PURCHASE ORDER NO. 1102 - GENERAL ELECTRIC APPARATUS SERVICE SHOP FOR REPAIR OF HYDRO-ELECTRIC GENERATOR AT THE ST. JOSEPH RIVER DAM WITH ON-SITE SUPERVISION FOR THE ASSEMBLY OF THE UNIT AFTER REPAIR, IN THE AMOUNT OF \$4399.45. THIS REPAIR WORK WILL SUPPLY ELECTRIC POWER GENERATION FOR ANOTHER 5-10 YEARS, THEREBY REDUCING THE AMOUNT OF ELECTRIC POWER REQUIRED TO BE PURCHASED FROM INDIANA AND MICHIGAN ELECTRIC CO.

(MEMORANDUM AND PURCHASE ORDER ATTACHED)

EFFECT OF PASSAGE SUPPLY ELECTRIC POWER GENERATION FOR PUMPING STATION & REDUCE AMOUNT TO BE PURCHASED FROM I & M

EFFECT OF NON-PASSAGE INCREASE AMOUNT OF ELECTRIC POWER THAT WILL BE NEEDED BECAUSE OF THE ABSENCE OF THIS GENERATOR

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) \$4399.45 FROM CITY UTILITIES

ASSIGNED TO COMMITTEE \_\_\_\_\_